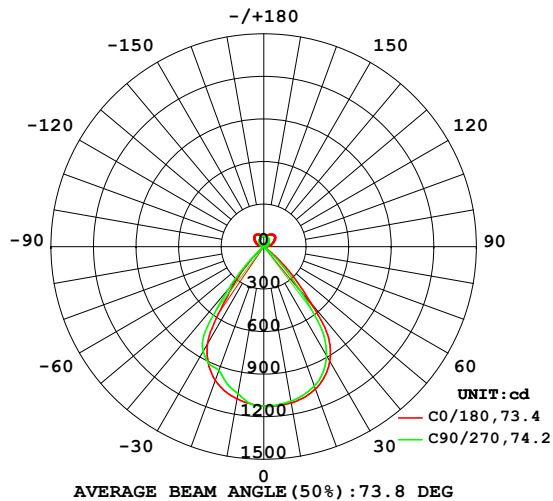


LUMINAIRE PHOTOMETRIC TEST REPORT

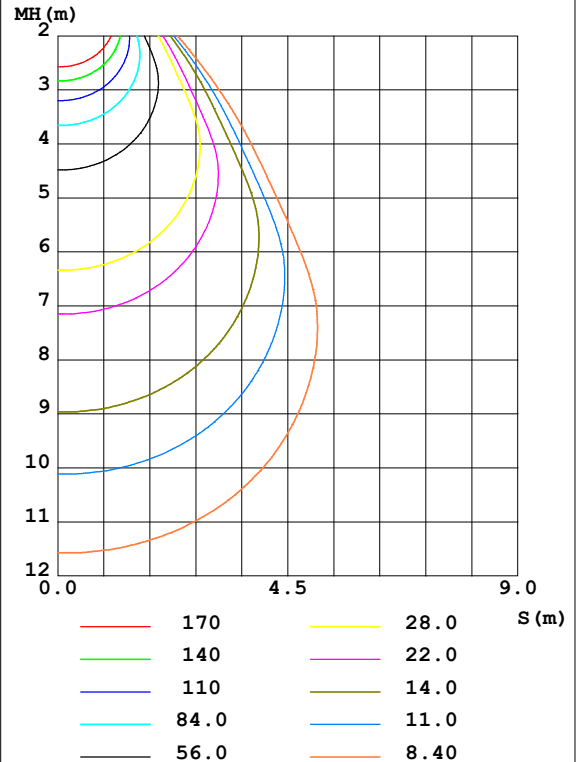
Test:U:119.3V I:0.1290A P:15.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1846.55x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.69 lm/W			
MODEL		I _{max} (cd)	1127	S/MH (C0/180)	1.14
NOMINAL POWER(W)	15W	LOR(%)	100.0	S/MH (C90/270)	1.07
RATED VOLTAGE(V)	120.0	TOTAL FLUX (lm)	1846.6	η UP,DN (C0-180)	9.1,42.7
NOMINAL FLUX(lm)	1846.55	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	8.8,39.4
LAMPS INSIDE	1	η up (%)	17.9	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.0	η down (%)	82.1	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

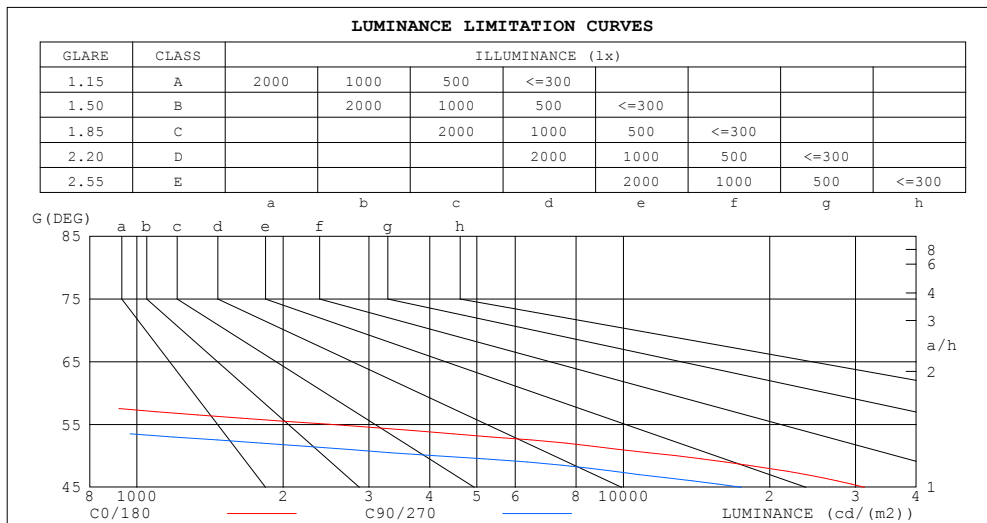
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1118	1115	1106	1099	1090	1072	1054	1083	0- 10	105.8	105.8	5.73,5.73
20	1067	1064	1046	1028	1003	945.5	929.1	979.3	10- 20	297.3	403.1	21.8,21.8
30	931.9	934.5	885.3	873.2	797.6	762.1	854.6	818.3	20- 30	432.5	835.6	45.3,45.3
40	515.9	657.5	381.4	566.1	280.0	497.3	378.5	594.5	30- 40	432.0	1268	68.6,68.6
50	107.0	189.1	34.00	115.1	16.92	97.73	31.47	150.9	40- 50	209.6	1477	80,80
60	3.789	17.33	2.774	7.873	3.093	7.970	4.986	15.12	50- 60	32.48	1510	81.8,81.8
70	2.307	1.961	1.911	1.697	1.679	2.830	3.025	2.975	60- 70	3.645	1513	82,82
80	1.367	1.346	1.258	1.089	0.8034	1.507	1.602	1.817	70- 80	1.906	1515	82.1,82.1
90	7.000	4.863	0.2321	0.8598	0.4017	1.114	0.6454	4.932	80- 90	1.427	1517	82.1,82.1
100	40.57	31.16	5.649	24.84	18.05	27.29	5.570	21.81	90-100	11.72	1528	82.8,82.8
110	61.97	48.86	16.77	43.67	53.75	44.76	16.61	42.88	100-110	33.23	1562	84.6,84.6
120	83.47	66.03	28.60	61.69	72.59	61.97	28.22	64.79	110-120	49.42	1611	87.2,87.2
130	101.8	78.16	40.69	75.74	90.64	74.70	39.89	75.68	120-130	58.58	1670	90.4,90.4
140	108.7	82.73	52.24	82.48	102.3	80.19	51.24	79.53	130-140	58.86	1728	93.6,93.6
150	101.0	82.67	62.57	83.50	101.0	80.90	61.73	79.61	140-150	50.67	1779	96.4,96.4
160	89.35	80.66	70.88	81.77	91.16	79.73	70.26	78.59	150-160	37.39	1817	98.4,98.4
170	80.71	78.75	76.21	79.59	82.16	78.44	75.95	77.80	160-170	22.51	1839	99.6,99.6
180	76.62	76.62	76.62	76.62	76.62	76.62	76.62	76.62	170-180	7.481	1847	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.3V I:0.1290A P:15.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1846.55x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	869	813
80	605	557
75	538	471
70	519	430
65	535	412
60	583	427
55	2483	577
50	12810	4068
45	31316	17496

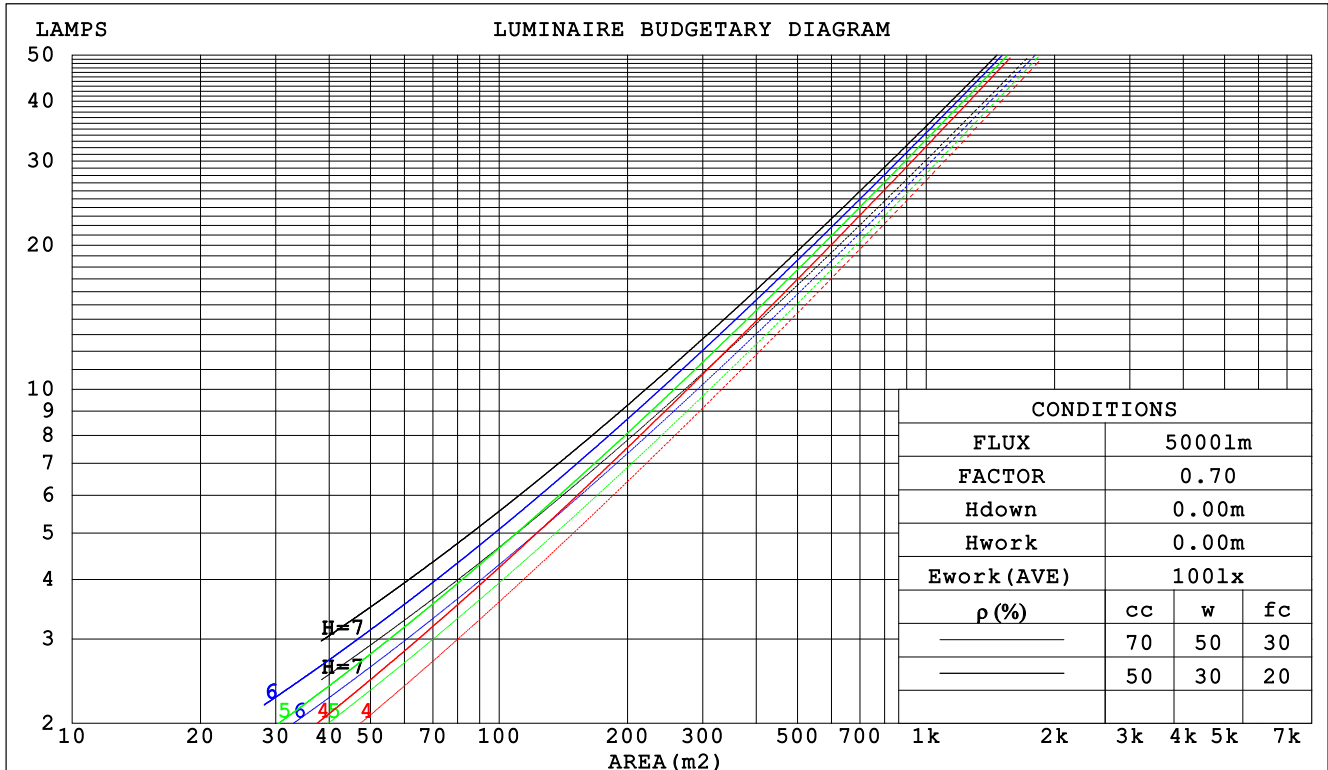
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.3V I:0.1290A P:15.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1846.55x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.86	.86	.86	.82
1.0	1.05	1.02	.00	1.01	.99	.96	.94	.92	.90	.87	.86	.84	.81	.80	.79	.76
2.0	.96	.91	.87	.93	.89	.85	.87	.83	.80	.81	.78	.76	.76	.74	.72	.69
3.0	.88	.82	.78	.85	.80	.76	.80	.76	.72	.75	.72	.69	.70	.68	.66	.63
4.0	.81	.74	.69	.78	.72	.68	.74	.69	.65	.70	.66	.63	.66	.63	.60	.58
5.0	.74	.67	.62	.72	.66	.61	.68	.63	.59	.65	.60	.57	.61	.58	.55	.53
6.0	.68	.62	.57	.67	.60	.56	.63	.58	.54	.60	.56	.52	.57	.53	.50	.48
7.0	.63	.56	.52	.62	.55	.51	.59	.53	.49	.56	.51	.48	.53	.49	.46	.45
8.0	.59	.52	.47	.57	.51	.47	.55	.49	.45	.52	.47	.44	.50	.46	.43	.41
9.0	.54	.48	.43	.53	.47	.43	.51	.46	.42	.49	.44	.41	.47	.43	.40	.38
10.0	.51	.44	.40	.50	.44	.40	.48	.42	.39	.46	.41	.38	.44	.40	.37	.35



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:119.3V I:0.1290A P:15.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1846.55x1 lm					
NAME: 1FT			TYPE:3500K 1.9		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:0.29*0.045		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.206	.117	.037	.194	.111	.035	.171	.098	.031	.150	.087	.028	.131	.076	.024		
2.0	.197	.108	.033	.187	.103	.032	.166	.093	.029	.148	.083	.026	.131	.074	.023		
3.0	.188	.100	.030	.178	.096	.029	.160	.087	.026	.144	.079	.024	.128	.071	.022		
4.0	.179	.093	.027	.170	.089	.026	.154	.081	.024	.139	.074	.022	.124	.068	.021		
5.0	.170	.087	.025	.162	.083	.024	.147	.077	.023	.133	.070	.021	.120	.064	.019		
6.0	.161	.081	.023	.154	.078	.022	.141	.072	.021	.128	.067	.020	.116	.061	.018		
7.0	.154	.076	.022	.147	.073	.021	.135	.068	.020	.123	.063	.018	.112	.058	.017		
8.0	.146	.071	.020	.140	.069	.020	.129	.064	.018	.118	.060	.017	.108	.055	.016		
9.0	.139	.067	.019	.134	.065	.018	.123	.061	.017	.113	.057	.016	.104	.053	.015		
10.0	.133	.064	.018	.128	.062	.017	.118	.058	.016	.109	.054	.015	.100	.050	.014		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.327	.327	.327	.279	.279	.279	.191	.191	.191	.109	.109	.109	.035	.035	.035	
1.0	.310	.294	.280	.266	.253	.241	.182	.174	.167	.105	.101	.097	.033	.032	.031	
2.0	.298	.271	.248	.255	.233	.214	.175	.161	.149	.101	.094	.088	.032	.030	.029	
3.0	.288	.253	.225	.247	.218	.195	.169	.151	.137	.098	.088	.081	.031	.029	.026	
4.0	.279	.239	.208	.239	.206	.181	.165	.144	.127	.095	.084	.075	.031	.027	.025	
5.0	.272	.228	.196	.233	.197	.171	.161	.138	.121	.093	.081	.071	.030	.026	.024	
6.0	.265	.220	.187	.228	.190	.163	.157	.133	.115	.091	.078	.069	.029	.026	.023	
7.0	.259	.213	.180	.223	.184	.157	.154	.129	.111	.089	.076	.066	.029	.025	.022	
8.0	.254	.207	.175	.218	.179	.152	.151	.126	.108	.088	.074	.064	.028	.024	.021	
9.0	.249	.202	.171	.214	.175	.149	.149	.123	.106	.087	.073	.063	.028	.024	.021	
10.0	.244	.198	.167	.211	.172	.146	.146	.121	.104	.085	.072	.062	.028	.023	.021	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.3V I:0.1290A P:15.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1846.55x1 lm												
NAME: 1FT					TYPE:3500K 1.9			WEIGHT:				
SPEC.:					DIM.:			SERIAL No.:				
MFR.: EVERFINE					SUR.:0.29*0.045			Shielding Angle:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3		
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3		
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
Room dimensions	Viewed crosswise					Viewed endwise						
x = 2H y = 2H	2H	21.3	22.2	21.8	22.7	23.2	20.1	21.1	20.6	21.5	22.0	
	3H	21.0	21.9	21.6	22.4	22.9	19.9	20.8	20.4	21.2	21.8	
	4H	20.9	21.7	21.5	22.2	22.8	19.8	20.6	20.3	21.1	21.6	
	6H	20.8	21.5	21.4	22.1	22.7	19.6	20.4	20.2	20.9	21.5	
	8H	20.7	21.4	21.3	22.0	22.6	19.6	20.3	20.2	20.8	21.4	
	12H	20.7	21.4	21.3	21.9	22.5	19.5	20.2	20.1	20.8	21.4	
	4H	2H	20.9	21.7	21.5	22.2	22.8	19.8	20.6	20.3	21.1	21.7
		3H	20.7	21.4	21.3	21.9	22.5	19.5	20.2	20.1	20.8	21.4
		4H	20.5	21.2	21.2	21.7	22.4	19.4	20.0	20.0	20.6	21.3
		6H	20.4	20.9	21.1	21.6	22.3	19.3	19.8	19.9	20.4	21.1
		8H	20.3	20.8	21.0	21.5	22.2	19.2	19.7	19.9	20.3	21.1
		12H	20.3	20.7	21.0	21.4	22.1	19.2	19.6	19.8	20.2	21.0
8H	4H	20.3	20.8	21.0	21.5	22.2	19.2	19.7	19.9	20.3	21.1	
	6H	20.2	20.6	20.9	21.3	22.0	19.1	19.5	19.8	20.1	20.9	
	8H	20.1	20.5	20.8	21.2	22.0	19.0	19.4	19.7	20.0	20.8	
	12H	20.1	20.4	20.8	21.1	21.9	18.9	19.2	19.7	19.9	20.8	
12H	4H	20.3	20.7	20.9	21.4	22.1	19.1	19.6	19.8	20.2	21.0	
	6H	20.1	20.5	20.8	21.2	22.0	19.0	19.4	19.7	20.0	20.8	
	8H	20.1	20.4	20.8	21.1	21.9	18.9	19.2	19.7	19.9	20.8	
Variations with the observer position at spacings:												
S = 1.0H	+ 2.8 / -16.7					+ 3.0 / -16.9						
1.5H	+ 3.3 / - 8.4					+ 3.4 / -15.1						
2.0H	+ 6.6 / -16.9					+ 6.1 / -14.7						

CIE Pub.117 Corrected 1847 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.1)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.3V I:0.1290A P:15.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1846.55x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

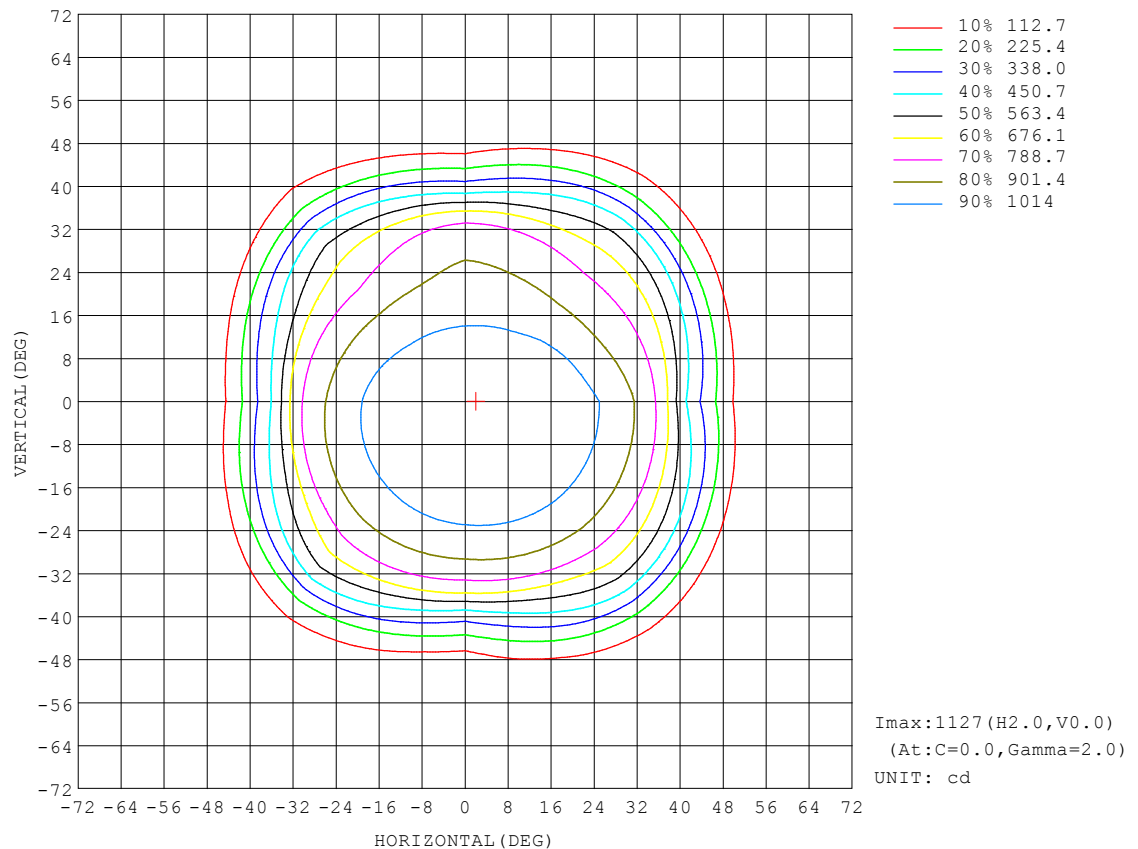
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	64	59	71	63	59	69	62	58	53
0.80	81	73	68	79	72	67	76	70	66	60
1.00	87	79	74	85	78	73	81	76	72	65
1.25	92	85	80	90	83	79	85	80	77	70
1.50	95	89	84	93	87	83	88	84	80	72
2.00	100	94	90	97	92	88	91	87	84	75
2.50	102	97	93	99	94	91	93	89	87	76
3.00	104	99	96	101	97	93	94	91	89	77
4.00	107	103	100	103	100	97	96	94	92	79
5.00	108	105	102	104	102	99	97	95	93	79
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:119.3V I:0.1290A P:15.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1846.55x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

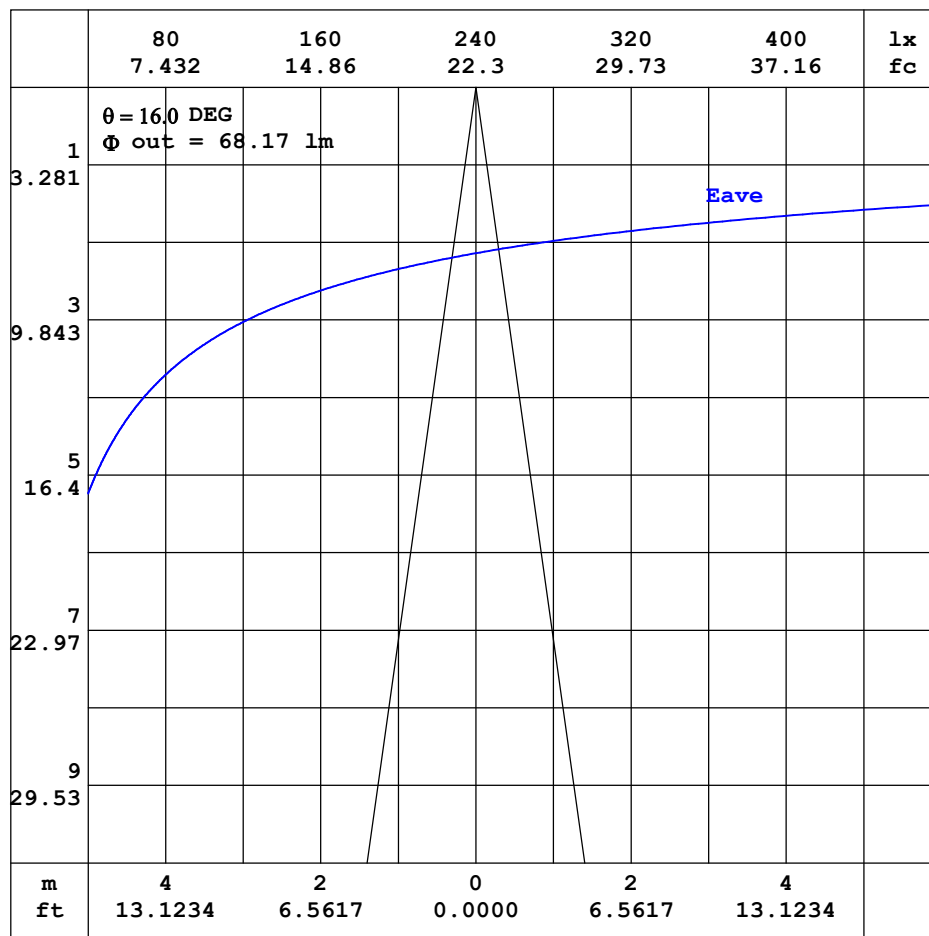


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

AAI CURVES

Test:U:119.3V I:0.1290A P:15.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1846.55x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:



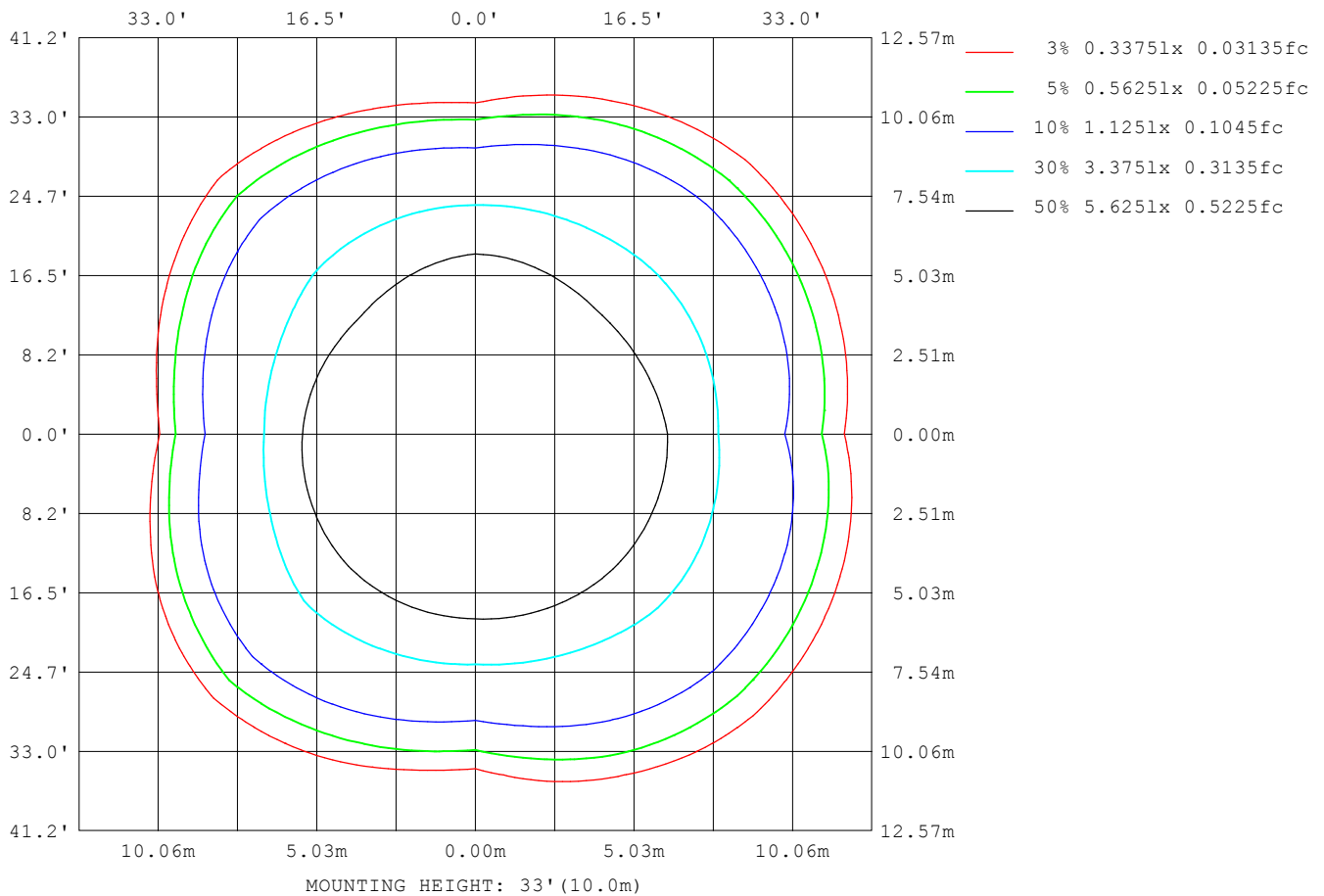
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:119.3V I:0.1290A P:15.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1846.55x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:119.3V I:0.1290A P:15.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1846.55x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

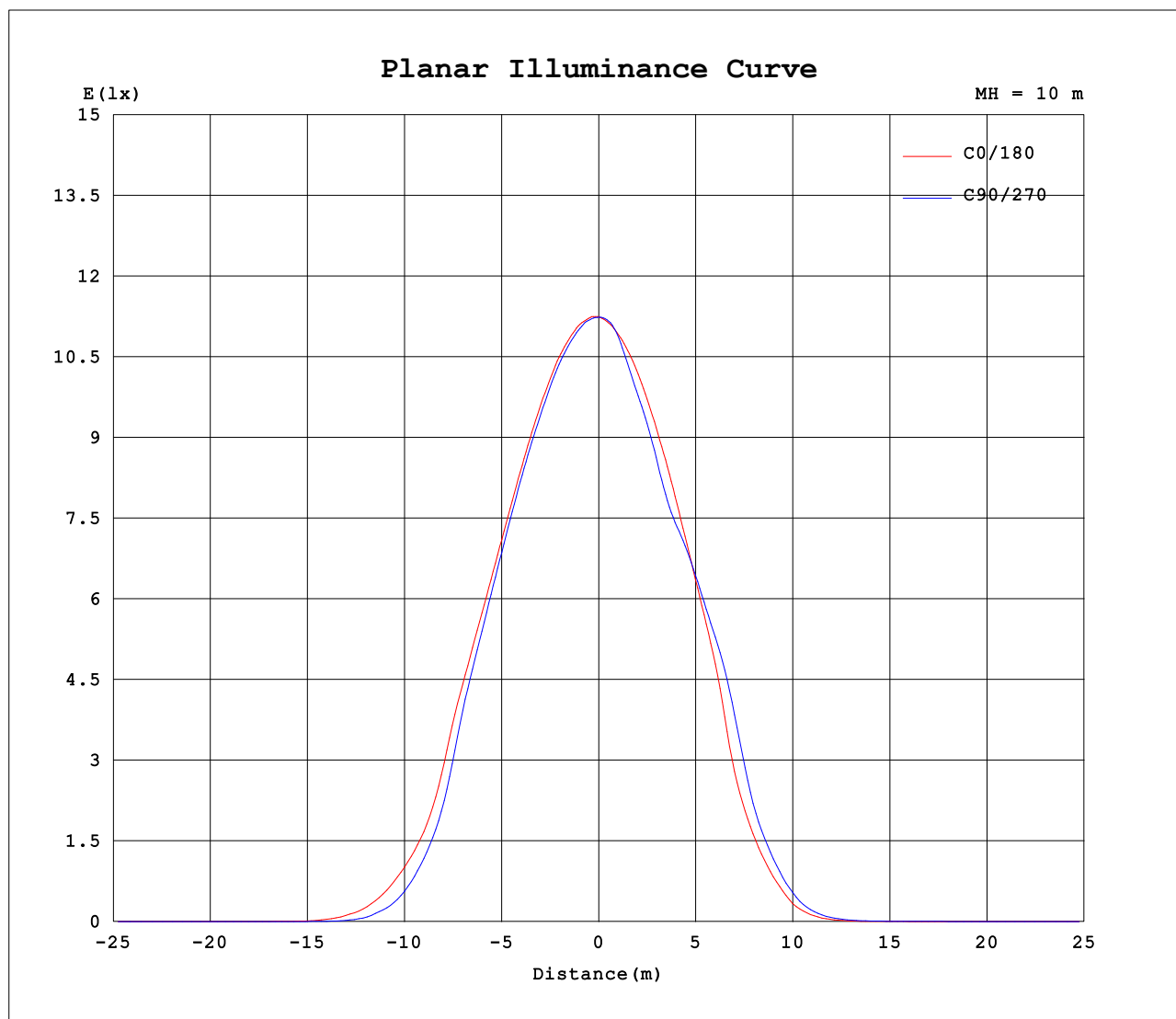
AvgL	cd/m2
L_0~180 (65) av	477
L_0~180 (75) av	444
L_0~180 (85) av	685
L_90~270 (65) av	558
L_90~270 (75) av	571
L_90~270 (85) av	898
L_45 (65) av	549
L_45 (75) av	555
L_45 (85) av	999

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.3V I:0.1290A P:15.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1846.55x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1125	1124	1124	1124	1124	1124	1124	1124	1123	1123	1123	1123	1123	1123	1123	1123	1123	1124	1124
5	1126	1126	1126	1126	1126	1125	1125	1125	1125	1124	1124	1123	1123	1122	1122	1121	1120	1120	1119
10	1118	1118	1118	1118	1117	1117	1117	1116	1115	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106
15	1100	1100	1100	1100	1100	1100	1099	1099	1098	1097	1096	1094	1093	1091	1089	1088	1086	1084	1083
20	1067	1068	1068	1068	1067	1067	1066	1066	1065	1064	1062	1060	1058	1056	1054	1052	1050	1048	1046
25	1014	1015	1015	1015	1016	1015	1015	1014	1013	1011	1009	1007	1004	1001	998	995	992	988	985
30	932	935	937	939	939	940	939	938	937	935	930	925	919	914	908	902	896	891	885
35	804	811	817	821	824	826	826	825	822	818	807	796	784	772	759	747	735	724	715
40	516	552	583	609	630	646	657	662	662	657	631	601	568	534	499	466	434	405	381
45	288	327	362	390	413	431	443	450	451	447	421	390	357	322	286	251	217	187	161
50	107	128	146	161	173	182	188	191	192	189	175	158	140	121	102	82.8	64.7	48.2	34.0
55	18.5	28.7	37.6	45.2	51.5	56.5	60.2	62.6	63.8	63.6	58.6	52.5	45.7	38.4	30.9	23.5	16.4	9.92	4.30
60	3.79	6.68	9.23	11.4	13.3	14.8	15.9	16.8	17.2	17.3	16.2	14.8	13.2	11.5	9.66	7.80	5.99	4.29	2.77
65	2.94	2.89	2.85	2.80	2.76	2.72	2.68	2.63	2.60	2.56	2.52	2.48	2.45	2.41	2.38	2.35	2.32	2.29	2.26
70	2.31	2.25	2.20	2.16	2.12	2.08	2.04	2.01	1.98	1.96	1.95	1.94	1.93	1.93	1.93	1.92	1.92	1.92	1.91
75	1.81	1.78	1.76	1.74	1.72	1.70	1.68	1.66	1.65	1.64	1.63	1.62	1.62	1.62	1.61	1.61	1.60	1.59	1.58
80	1.37	1.37	1.37	1.37	1.37	1.36	1.36	1.36	1.35	1.35	1.34	1.34	1.33	1.32	1.31	1.30	1.29	1.27	1.26
85	0.98	1.00	1.02	1.03	1.05	1.05	1.06	1.06	1.06	1.06	1.05	1.04	1.03	1.01	0.99	0.97	0.96	0.94	0.92
90	7.00	6.89	6.74	6.56	6.36	6.12	5.85	5.55	5.22	4.86	4.33	3.78	3.21	2.65	2.10	1.57	1.08	0.63	0.23
95	20.6	21.0	21.3	21.3	21.2	20.9	20.5	19.8	19.0	17.9	16.0	13.9	11.8	9.63	7.52	5.51	3.65	2.00	0.62
100	40.6	40.3	39.9	39.2	38.4	37.3	36.1	34.6	33.0	31.2	28.0	24.7	21.4	18.2	15.1	12.2	9.60	7.39	5.65
105	51.4	50.9	50.2	49.3	48.2	46.9	45.4	43.7	41.8	39.6	36.0	32.3	28.5	24.9	21.4	18.2	15.3	12.9	11.0
110	62.0	61.5	60.7	59.7	58.5	57.0	55.3	53.4	51.3	48.9	44.8	40.6	36.4	32.3	28.4	24.8	21.6	18.9	16.8
115	73.5	72.7	71.7	70.5	69.0	67.3	65.3	63.1	60.7	58.0	53.4	48.8	44.2	39.6	35.3	31.3	27.8	24.9	22.6
120	83.5	82.5	81.3	79.9	78.2	76.2	74.1	71.6	69.0	66.0	61.2	56.3	51.3	46.5	41.9	37.7	34.0	30.9	28.6
125	93.3	92.0	90.4	88.6	86.6	84.3	81.8	79.1	76.2	73.1	68.0	62.9	57.8	52.8	48.1	43.8	40.1	37.0	34.6
130	102	99.9	97.8	95.5	93.0	90.4	87.6	84.6	81.5	78.2	73.1	68.0	62.9	58.1	53.5	49.4	45.8	42.8	40.7
135	107	105	102	99.5	96.7	93.8	90.9	87.7	84.5	81.2	76.4	71.6	66.8	62.3	58.1	54.3	51.1	48.5	46.6
140	109	106	103	101	97.7	94.8	91.9	88.9	85.8	82.7	78.4	74.1	69.9	65.9	62.2	58.9	56.1	53.8	52.2
145	106	104	101	98.7	96.2	93.6	91.0	88.4	85.8	83.1	79.4	75.7	72.2	68.9	65.8	63.0	60.7	58.9	57.6
150	101	99.0	97.1	95.1	93.1	91.0	89.0	86.9	84.8	82.7	79.7	76.9	74.1	71.4	69.0	66.8	65.0	63.6	62.6
155	95.0	93.6	92.2	90.8	89.3	87.9	86.4	84.9	83.3	81.8	79.6	77.5	75.5	73.5	71.7	70.1	68.8	67.8	67.0
160	89.3	88.4	87.5	86.6	85.6	84.7	83.7	82.7	81.7	80.7	79.2	77.8	76.4	75.2	74.0	72.9	72.0	71.3	70.9
165	84.4	83.9	83.4	82.9	82.4	81.8	81.3	80.7	80.2	79.6	78.8	78.0	77.2	76.4	75.7	75.1	74.6	74.2	73.9
170	80.7	80.5	80.3	80.1	79.9	79.7	79.5	79.2	79.0	78.8	78.4	78.0	77.6	77.3	77.0	76.7	76.5	76.3	76.2
175	78.7	78.7	78.6	78.6	78.5	78.5	78.4	78.3	78.3	78.2	78.1	78.0	77.9	77.8	77.7	77.6	77.6	77.5	77.5
180	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.3V I:0.1290A P:15.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1846.55x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1124	1124	1124	1124	1124	1124	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1124
5	1119	1119	1118	1118	1117	1117	1117	1116	1116	1115	1115	1114	1114	1113	1113	1112	1112	1111	1111
10	1105	1105	1104	1103	1102	1101	1100	1100	1099	1098	1097	1097	1096	1095	1094	1093	1092	1090	1089
15	1081	1080	1079	1078	1077	1076	1074	1073	1072	1071	1070	1068	1067	1065	1063	1061	1059	1056	1051
20	1044	1042	1040	1038	1036	1034	1032	1030	1028	1026	1024	1022	1019	1017	1014	1010	1007	1003	997
25	983	981	979	977	975	973	970	968	965	961	957	953	948	943	938	932	927	921	912
30	884	883	882	881	880	879	878	876	873	866	858	850	841	832	823	815	806	798	790
35	718	723	728	733	738	742	744	743	741	716	689	660	631	602	575	549	527	508	515
40	396	415	438	462	487	511	533	552	566	540	509	475	439	403	367	334	305	280	295
45	171	186	204	224	245	266	285	302	316	296	273	247	220	192	164	138	115	95.5	106
50	38.9	46.2	55.3	65.6	76.5	87.5	98.0	107	115	107	96.2	84.6	72.3	59.8	47.5	35.9	25.5	16.9	23.0
55	6.35	9.33	13.0	17.2	21.6	26.1	30.4	34.3	37.7	34.9	31.4	27.5	23.3	19.0	14.7	10.7	7.13	4.13	6.45
60	2.91	3.25	3.75	4.37	5.07	5.81	6.55	7.25	7.87	7.47	6.98	6.41	5.81	5.19	4.58	4.01	3.50	3.09	3.48
65	2.23	2.20	2.18	2.15	2.13	2.11	2.10	2.09	2.08	2.07	2.07	2.07	2.09	2.11	2.14	2.18	2.24	2.31	2.45
70	1.89	1.87	1.84	1.82	1.79	1.76	1.74	1.72	1.70	1.67	1.64	1.62	1.61	1.60	1.60	1.62	1.64	1.68	1.79
75	1.57	1.54	1.52	1.50	1.47	1.45	1.42	1.39	1.37	1.33	1.28	1.25	1.21	1.19	1.17	1.16	1.16	1.18	1.26
80	1.24	1.23	1.21	1.20	1.18	1.16	1.14	1.11	1.09	1.04	1.00	0.95	0.91	0.88	0.85	0.82	0.81	0.80	0.86
85	0.92	0.92	0.92	0.92	0.92	0.92	0.91	0.90	0.89	0.85	0.80	0.76	0.71	0.67	0.64	0.60	0.58	0.57	0.62
90	0.28	0.35	0.42	0.50	0.58	0.66	0.73	0.80	0.86	0.82	0.77	0.72	0.66	0.60	0.54	0.48	0.44	0.40	0.47
95	1.03	1.70	2.59	3.64	4.79	6.00	7.20	8.35	9.39	9.07	8.63	8.09	7.50	6.88	6.27	5.70	5.22	4.85	5.69
100	6.87	8.54	10.6	12.9	15.3	17.8	20.3	22.7	24.8	24.6	24.1	23.4	22.5	21.6	20.6	19.7	18.8	18.1	19.1
105	12.4	14.3	16.6	19.3	22.3	25.4	28.6	31.8	34.8	36.2	37.4	38.4	39.2	39.8	40.3	40.5	40.7	40.7	40.9
110	18.2	20.3	22.9	26.0	29.3	32.8	36.5	40.1	43.7	45.7	47.4	49.0	50.4	51.5	52.4	53.1	53.5	53.7	53.7
115	24.4	26.8	29.8	33.2	37.0	41.0	45.1	49.1	53.1	55.2	57.0	58.6	59.9	61.0	61.8	62.4	62.8	62.9	62.9
120	30.5	33.1	36.4	40.1	44.2	48.5	53.0	57.4	61.7	64.0	66.0	67.8	69.2	70.4	71.4	72.1	72.5	72.6	72.5
125	36.6	39.4	42.8	46.8	51.1	55.7	60.3	65.0	69.5	72.1	74.4	76.4	78.1	79.5	80.7	81.5	82.0	82.2	82.0
130	42.7	45.5	48.9	52.8	57.1	61.7	66.4	71.1	75.7	78.6	81.2	83.5	85.5	87.2	88.6	89.6	90.3	90.6	90.2
135	48.5	51.1	54.3	58.0	62.1	66.5	71.0	75.6	80.0	83.2	86.1	88.7	91.1	93.2	94.9	96.2	97.2	97.7	96.9
140	53.9	56.2	59.1	62.4	66.1	70.0	74.2	78.3	82.5	85.8	88.9	91.8	94.5	96.8	98.8	100	102	102	101
145	59.0	60.9	63.4	66.2	69.3	72.7	76.2	79.9	83.5	86.7	89.7	92.6	95.3	97.7	99.7	101	103	103	102
150	63.7	65.2	67.2	69.4	72.0	74.7	77.6	80.5	83.5	86.2	88.9	91.4	93.7	95.8	97.7	99.2	100	101	99.9
155	67.9	69.1	70.5	72.2	74.1	76.2	78.3	80.6	82.8	84.9	87.0	88.9	90.7	92.4	93.8	95.0	95.8	96.4	95.5
160	71.5	72.3	73.3	74.5	75.8	77.2	78.7	80.2	81.8	83.2	84.7	86.0	87.3	88.4	89.4	90.2	90.8	91.2	90.5
165	74.3	74.8	75.5	76.2	77.0	77.9	78.8	79.7	80.6	81.5	82.4	83.2	83.9	84.6	85.2	85.6	86.0	86.2	85.7
170	76.4	76.7	77.0	77.4	77.8	78.2	78.7	79.1	79.6	80.0	80.4	80.8	81.2	81.5	81.7	81.9	82.1	82.2	81.9
175	77.6	77.7	77.8	78.0	78.1	78.3	78.4	78.6	78.8	78.9	79.0	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.4
180	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.3V I:0.1290A P:15.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1846.55x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1124	1124	1124	1124	1124	1124	1123	1123	1123	1123	1123	1123	1123	1123	1123	1124	1124	1124	1124
5	1111	1112	1112	1112	1112	1112	1113	1113	1112	1112	1112	1112	1111	1111	1111	1111	1111	1112	1112
10	1087	1085	1083	1081	1079	1076	1074	1072	1069	1066	1064	1061	1059	1057	1055	1054	1054	1055	1058
15	1046	1041	1035	1030	1025	1020	1015	1010	1008	1005	1003	1002	1001	1000	1000	1001	1002	1003	1005
20	990	984	977	970	964	957	951	946	941	937	934	932	930	928	928	928	929	932	936
25	903	894	885	877	870	863	858	854	858	863	869	876	883	891	898	905	912	910	908
30	783	777	772	767	764	762	761	762	771	781	791	803	814	825	836	846	855	852	848
35	525	539	556	575	595	616	636	657	665	672	678	683	688	691	695	698	700	703	707
40	314	338	364	392	421	449	474	497	488	476	462	446	430	414	400	387	378	397	420
45	120	137	156	176	197	217	235	252	243	231	219	205	191	179	168	159	154	175	199
50	30.9	40.1	50.1	60.6	71.0	81.0	90.1	97.7	91.5	84.0	75.6	66.7	57.8	49.4	41.9	35.7	31.5	42.0	54.2
55	9.38	12.8	16.4	20.2	24.0	27.5	30.7	33.4	30.9	27.8	24.5	20.9	17.4	14.1	11.2	8.84	7.19	11.7	16.8
60	3.96	4.51	5.11	5.73	6.35	6.95	7.50	7.97	7.64	7.25	6.81	6.37	5.94	5.56	5.25	5.05	4.99	6.10	7.32
65	2.60	2.76	2.93	3.10	3.26	3.42	3.57	3.71	3.77	3.82	3.86	3.88	3.89	3.90	3.89	3.88	3.87	3.87	3.87
70	1.91	2.04	2.17	2.31	2.45	2.58	2.71	2.83	2.89	2.93	2.97	2.99	3.01	3.02	3.03	3.03	3.03	3.04	3.05
75	1.35	1.45	1.56	1.67	1.78	1.89	2.00	2.10	2.14	2.18	2.20	2.22	2.24	2.25	2.25	2.26	2.26	2.29	2.31
80	0.93	1.01	1.09	1.17	1.26	1.35	1.43	1.51	1.53	1.56	1.57	1.58	1.59	1.59	1.60	1.60	1.60	1.63	1.67
85	0.68	0.75	0.82	0.90	0.98	1.05	1.12	1.19	1.19	1.19	1.19	1.18	1.16	1.15	1.14	1.12	1.11	1.15	1.18
90	0.54	0.63	0.71	0.80	0.89	0.97	1.05	1.11	1.05	1.01	0.96	0.90	0.85	0.79	0.74	0.69	0.65	1.01	1.43
95	6.63	7.63	8.65	9.65	10.6	11.4	12.0	12.5	11.3	9.87	8.35	6.78	5.21	3.71	2.34	1.17	0.26	1.13	2.27
100	20.4	21.7	23.0	24.2	25.3	26.3	26.9	27.3	25.1	22.7	20.1	17.4	14.6	12.0	9.54	7.37	5.57	6.15	7.15
105	40.9	40.8	40.5	40.0	39.4	38.5	37.4	36.0	33.1	30.0	26.8	23.6	20.5	17.6	15.0	12.8	11.0	11.8	13.0
110	53.4	52.9	52.1	51.1	49.9	48.4	46.7	44.8	41.2	37.6	33.9	30.2	26.8	23.6	20.8	18.4	16.6	18.0	19.9
115	62.7	62.2	61.5	60.5	59.2	57.7	55.9	53.9	49.9	45.8	41.6	37.6	33.7	30.1	27.0	24.4	22.5	24.4	27.1
120	72.1	71.5	70.6	69.4	68.0	66.3	64.3	62.0	57.6	53.2	48.7	44.3	40.1	36.3	32.9	30.2	28.2	30.4	33.4
125	81.4	80.5	79.4	77.9	76.1	74.1	71.8	69.2	64.6	59.9	55.2	50.6	46.3	42.3	38.9	36.0	34.0	36.1	39.1
130	89.3	88.2	86.7	84.8	82.7	80.3	77.6	74.7	70.1	65.4	60.8	56.2	52.0	48.1	44.7	41.9	39.9	41.9	44.6
135	95.7	94.2	92.2	90.0	87.4	84.6	81.5	78.3	73.9	69.4	65.0	60.8	56.8	53.2	50.0	47.5	45.7	47.3	49.7
140	99.8	97.9	95.6	93.0	90.1	86.9	83.6	80.2	76.1	72.1	68.1	64.4	60.8	57.7	55.0	52.8	51.2	52.6	54.6
145	101	98.7	96.3	93.6	90.7	87.6	84.3	81.0	77.5	74.0	70.6	67.5	64.5	61.9	59.7	57.9	56.7	57.7	59.3
150	98.4	96.6	94.4	92.0	89.4	86.6	83.8	80.9	78.1	75.3	72.6	70.1	67.8	65.8	64.1	62.7	61.7	62.5	63.7
155	94.3	92.8	91.1	89.2	87.1	84.9	82.7	80.4	78.3	76.2	74.3	72.4	70.8	69.3	68.0	67.0	66.3	66.9	67.7
160	89.6	88.5	87.3	85.9	84.4	82.9	81.3	79.7	78.3	76.9	75.6	74.3	73.2	72.2	71.4	70.7	70.3	70.6	71.1
165	85.2	84.5	83.7	82.8	81.9	81.0	80.0	79.0	78.2	77.4	76.6	75.9	75.2	74.7	74.2	73.8	73.5	73.7	74.0
170	81.6	81.2	80.8	80.4	79.9	79.4	78.9	78.4	78.0	77.7	77.3	77.0	76.7	76.4	76.2	76.1	75.9	76.0	76.1
175	79.3	79.1	79.0	78.8	78.6	78.4	78.3	78.1	78.0	77.9	77.8	77.7	77.6	77.5	77.5	77.5	77.4	77.4	77.4
180	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.3V I:0.1290A P:15.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1846.55x1 lm																	
NAME: 1FT									TYPE:3500K 1.9						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:0.29*0.045						Shielding Angle:		

Table--4

UNIT: cd

γ (DEG)	C (DEG)																			
	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355					
0	1124	1124	1124	1124	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125					
5	1113	1114	1115	1116	1117	1118	1120	1120	1121	1122	1123	1123	1124	1125	1125					
10	1060	1063	1067	1071	1075	1079	1083	1087	1090	1094	1098	1102	1106	1110	1114					
15	1008	1011	1014	1018	1022	1027	1033	1038	1044	1051	1058	1066	1074	1082	1091					
20	940	945	951	957	964	971	979	987	996	1004	1014	1023	1034	1044	1056					
25	906	903	901	899	898	898	899	906	914	923	934	947	961	977	995					
30	843	838	832	828	823	820	818	824	831	840	850	863	877	894	912					
35	710	713	717	721	725	729	734	740	746	753	760	768	776	785	794					
40	444	471	497	524	550	573	594	600	602	601	596	587	575	559	539					
45	226	254	282	311	337	362	383	389	390	388	381	370	356	337	315					
50	67.9	82.4	97.2	112	126	139	151	154	155	154	152	147	140	131	120					
55	22.5	28.4	34.3	40.1	45.5	50.3	54.3	54.5	53.5	51.6	48.7	44.7	39.7	33.6	26.6					
60	8.62	9.93	11.2	12.4	13.5	14.4	15.1	14.9	14.5	13.7	12.7	11.5	9.95	8.16	6.11					
65	3.87	3.86	3.84	3.82	3.79	3.76	3.72	3.66	3.60	3.53	3.45	3.36	3.27	3.17	3.06					
70	3.05	3.06	3.05	3.04	3.03	3.00	2.97	2.93	2.88	2.82	2.75	2.68	2.60	2.51	2.41					
75	2.33	2.35	2.36	2.37	2.38	2.37	2.36	2.34	2.30	2.25	2.20	2.14	2.07	1.99	1.90					
80	1.70	1.73	1.76	1.78	1.80	1.81	1.82	1.80	1.77	1.74	1.70	1.65	1.59	1.52	1.45					
85	1.22	1.25	1.29	1.32	1.35	1.37	1.39	1.37	1.36	1.33	1.29	1.25	1.19	1.13	1.06					
90	1.89	2.38	2.89	3.41	3.93	4.44	4.93	5.27	5.58	5.87	6.13	6.35	6.56	6.73	6.88					
95	3.65	5.21	6.90	8.69	10.5	12.4	14.2	15.2	16.2	17.1	17.9	18.7	19.3	19.8	20.3					
100	8.52	10.2	12.2	14.4	16.7	19.2	21.8	23.8	25.8	27.8	29.8	31.9	34.0	36.2	38.4					
105	14.7	16.7	19.1	21.7	24.5	27.4	30.4	32.7	34.9	37.2	39.5	41.9	44.2	46.6	49.0					
110	22.4	25.2	28.4	31.9	35.5	39.2	42.9	45.4	47.7	50.0	52.3	54.4	56.4	58.4	60.2					
115	30.2	33.9	37.9	42.2	46.6	51.0	55.4	58.2	60.7	63.1	65.3	67.3	69.1	70.7	72.2					
120	37.0	41.0	45.5	50.2	55.1	60.0	64.8	67.7	70.5	73.0	75.3	77.4	79.2	80.9	82.3					
125	42.7	46.8	51.4	56.2	61.3	66.3	71.3	74.5	77.5	80.4	83.0	85.4	87.7	89.7	91.6					
130	47.9	51.9	56.2	60.9	65.7	70.7	75.7	79.1	82.3	85.5	88.5	91.4	94.2	96.9	99.4					
135	52.7	56.2	60.2	64.4	68.9	73.6	78.3	81.7	85.0	88.3	91.6	94.8	98.0	101	104					
140	57.1	60.1	63.5	67.2	71.2	75.3	79.5	82.7	85.9	89.1	92.4	95.6	98.8	102	105					
145	61.3	63.7	66.5	69.6	72.9	76.3	79.8	82.6	85.4	88.3	91.2	94.1	97.1	100	103					
150	65.2	67.1	69.2	71.6	74.2	76.8	79.6	81.8	84.1	86.4	88.7	91.1	93.5	95.9	98.4					
155	68.8	70.1	71.6	73.3	75.1	77.1	79.1	80.7	82.3	84.0	85.8	87.5	89.4	91.2	93.1					
160	71.8	72.7	73.7	74.8	76.0	77.3	78.6	79.7	80.8	81.9	83.1	84.3	85.5	86.7	88.0					
165	74.3	74.8	75.3	76.0	76.6	77.3	78.1	78.7	79.3	80.0	80.7	81.3	82.1	82.8	83.6					
170	76.2	76.4	76.7	76.9	77.2	77.5	77.8	78.1	78.4	78.7	79.0	79.3	79.6	80.0	80.3					
175	77.5	77.5	77.6	77.6	77.7	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6					
180	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6					

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: